## **CLAIMS**

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1. A compound having the formula (I),

5 and their N-oxides, salts, stereoisomeric forms, racemic mixtures, prodrugs, esters and metabolites thereof, wherein

- A, also mentioned as "A-ring", together with the two carbons of the phenyl ring to which it is attached forms a monocyclic aryl or a monocyclic Het<sup>2</sup>;
  - R<sup>1</sup> is hydrogen, halogen, nitro, cyano, sultam, sultim, C<sub>3-7</sub>cycloalkyl, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C(=NR<sup>8</sup>)-R<sup>5</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, and NR<sup>8</sup>R<sup>9</sup>;
  - R<sup>2</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C(=NR<sup>8</sup>)-R<sup>5</sup>, or optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, and NR<sup>8</sup>R<sup>9</sup>;
- R<sup>3</sup> is hydrogen, halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, C(=O)-R<sup>5</sup>, OR<sup>7</sup>, and NR<sup>8</sup>R<sup>9</sup>;

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 $R^4$  is hydrogen, halogen, nitro, cyano,  $C_{3-7}$ cycloalkyl or  $C_{1-6}$ alkyl; y represents an integer being zero, one or two;

- R<sup>5</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, OR<sup>12</sup>, NR<sup>8</sup>R<sup>13</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup>, and NR<sup>8</sup>R<sup>13</sup>;
- R<sup>6</sup> is hydrogen, aryl, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, OR<sup>12</sup>, NR<sup>8</sup>R<sup>13</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup>, and NR<sup>8</sup>R<sup>13</sup>;
- R<sup>7</sup> is hydrogen, aryl, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, or optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro,
- cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup>, and NR<sup>8</sup>R<sup>13</sup>; R<sup>8</sup> is hydrogen, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C<sub>1</sub>, alloyd, C<sub>2</sub>, alloyd, C<sub>3</sub>, alloyd, C<sub>4</sub>, alloyd, C<sub>5</sub>, alloyd, C<sub>4</sub>, alloyd, C<sub>5</sub>, alloyd, C<sub></sub>
- R<sup>8</sup> is hydrogen, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>3-7</sub>cycloalkyl or polyhaloC<sub>1-6</sub>alkyl;
- R<sup>9</sup> is hydrogen, aryl, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, C(=NR<sup>8</sup>)-R<sup>5</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano,C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup> and NR<sup>8</sup>R<sup>13</sup>;
  - $R^{10}$  is hydrogen,  $C_{3-7}$ cycloalkyl, aryl,  $Het^1$ ,  $Het^2$ ,  $C(=O)-R^8$ ,  $C(=O)-OR^8$ ,  $C(=O)-NR^8R^8$ ,  $OR^8$ ,  $O-C(=O)-R^8$ ,  $O-S(=O)_y-R^8$ ,  $S(=O)_y-R^8$ ,  $NR^8R^8$ ,  $NR^8-C(=O)-R^8$ ,  $NR^8-S(=O)_y-R^8$ , optionally polysubstituted  $C_{1-6}$ alkyl, optionally polysubstituted  $C_{2-6}$ alkenyl or optionally polysubstituted  $C_{2-6}$ alkynyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently
- substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, and NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>;
- R<sup>11</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>,

  NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl,

  optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl;

  whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each

independently selected from halogen, nitro, cyano, C3-7cycloalkyl, aryl, Het1, Het2,  $C(=O)-R^8$ ,  $C(=O)-OR^8$ ,  $C(=O)-NR^8R^8$ ,  $S(=O)_y-R^8$ ,  $S(=O)_y-OR^8$ ,  $S(=O)_y-NR^8R^8$ , OR8, O-C(=O)-R8, O-S(=O)<sub>y</sub>-R8, NR8R8, NR8-C(=O)-R8, and NR8-S(=O)<sub>y</sub>-R8;  $R^{12}$  is hydrogen,  $C_{3-7}$ cycloalkyl, aryl,  $Het^1$ ,  $Het^2$ ,  $C(=O)-R^8$ ,  $C(=O)-OR^8$ ,  $C(=O)-NR^8R^8$ , S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, 5 optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently selected from halogen, nitro, cyano, C3-7cycloalkyl, aryl, Het1, Het2,  $C(=O)-R^8$ ,  $C(=O)-OR^8$ ,  $C(=O)-NR^8R^8$ ,  $S(=O)_y-R^8$ ,  $S(=O)_y-OR^8$ ,  $S(=O)_y-NR^8R^8$ , OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, and NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>; 10 R<sup>13</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently selected from halogen, nitro, cyano, C3-7cycloalkyl, aryl, Het1, Het2, 15 C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, OR8, O-C(=O)-R8, O-S(=O)y-R8, NR8R8, NR8-C(=O)-R8, and NR8-S(=O)y-R8; R<sup>14</sup> is hydrogen, phenyl, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>3-7</sub>cycloalkyl; aryl as a group or part of a group represents a monocyclic or polycyclic aromatic or a partially saturated monocyclic or polycyclic carbocycles wherein any such 20 carbocycle within the meaning of aryl may have up to 14 carbon atoms and may be optionally substituted with one or more substituents independently selected from halogen, nitro, oxo, cyano, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>14</sup>, OR<sup>14</sup>,  $NR^{14}R^{14}$ ,  $NR^{14}$ -O-C(=O)- $R^{14}$ ,  $NR^{14}$ -C<sub>1-6</sub>alkanediyl- $NR^{14}$ -Het<sup>1</sup>, NR<sup>14</sup>-C<sub>1-6</sub>alkanediyl-NR<sup>14</sup>-Het<sup>2</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally 25 polysubstituted C2-6alkenyl, optionally polysubstituted C2-6alkynyl and optionally polysubstituted phenyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and C2-6alkynyl are each independently selected from halogen, nitro, cyano, phenyl, C(=O)-R<sup>14</sup>, OR<sup>14</sup>, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-Het<sup>1</sup>, C(=O)-Het<sup>2</sup>, and NR<sup>14</sup>R<sup>14</sup>; and whereby the optional substituents on phenyl are each independently selected from halogen, 30 hydroxy,  $C_{1-6}$ alkyl, polyhalo $C_{1-6}$ alkyl, O- $C_{1-6}$ alkyl, and  $C_{1-6}$ alkanediyl-NR  $^{14}$ R  $^{14}$ ; Het as a group or part of a group represents a saturated or partially unsaturated monocyclic, bicyclic or tricyclic heterocycle having 3 to 14 ring members, which contains one or more heteroatom ring members selected from nitrogen, oxygen and sulfur, and which may be optionally substituted on a carbon atom or where possible 35 a nitrogen atom with one or more substituents independently selected from halogen, nitro, oxo, cyano, C<sub>3.7</sub>cycloalkyl, C(=O)-R<sup>14</sup>, S(=O)<sub>y</sub>-R<sup>14</sup>, OR<sup>14</sup>, NR<sup>14</sup>R<sup>14</sup>,

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 $NR^{14}$ -O-C(=O)- $R^{14}$ , optionally polysubstituted  $C_{1-6}$ alkyl, optionally polysubstituted  $C_{2-6}$ alkenyl, optionally polysubstituted  $C_{2-6}$ alkenyl and optionally polysubstituted phenyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently selected from halogen, nitro, cyano, phenyl, C(=O)- $R^{14}$ ,  $OR^{14}$ , and  $NR^{14}R^{14}$ ; and whereby the optional substituents on phenyl are each independently selected from halogen, hydroxy,  $C_{1-6}$ alkyl, polyhalo $C_{1-6}$ alkyl,  $O-C_{1-6}$ alkyl, and  $C_{1-6}$ alkanediyl- $NR^{14}R^{14}$ ;

Het<sup>2</sup> as a group or part of a group represents an aromatic monocyclic, bicyclic or tricyclic heterocycle having 5 to 14 ring members, which contains one or more heteroatom ring members selected from nitrogen, oxygen and sulfur, and which may be optionally substituted on a carbon atom or where possible a nitrogen atom with one or more substituents independently selected from halogen, nitro, oxo, cyano, C<sub>3-7</sub>cycloalkyl, C(=O)-R<sup>14</sup>, S(=O)<sub>y</sub>-R<sup>14</sup>, OR<sup>14</sup>, NR<sup>14</sup>R<sup>14</sup>, NR<sup>14</sup>-O-C(=O)-R<sup>14</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl, optionally polysubstituted C<sub>2-6</sub>alkenyl and optionally polysubstituted phenyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, phenyl, C(=O)-R<sup>14</sup>, OR<sup>14</sup>, and NR<sup>14</sup>R<sup>14</sup>; and whereby the optional substituents on phenyl are each independently selected from halogen, hydroxy, C<sub>1-6</sub>alkyl, polyhaloC<sub>1-6</sub>alkyl, O-C<sub>1-6</sub>alkyl, and C<sub>1-6</sub>alkanediyl-NR<sup>14</sup>R<sup>14</sup>;

for use as a medicine.

- 2. A compound according to claim 1 for the manufacture of a medicament for treating or combating infection or disease associated with retrovirus infection in a mammal.
- 3. A compound having the formula (I)

its N-oxide, salt, stereoisomeric form, racemic mixture, prodrug, ester or metabolite thereof, wherein

30 X is

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A, also mentioned as "A-ring", together with the two carbons of the phenyl ring to which it is attached forms a monocyclic aryl or a monocyclic Het<sup>2</sup>;

R<sup>1</sup> is hydrogen, halogen, nitro, cyano, sultam, sultim, C<sub>3-7</sub>cycloalkyl, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C(=NR<sup>8</sup>)-R<sup>5</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, and NR<sup>8</sup>R<sup>9</sup>;

R<sup>2</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C(=NR<sup>8</sup>)-R<sup>5</sup>, or optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, and NR<sup>8</sup>R<sup>9</sup>;

R<sup>3</sup> is hydrogen, halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, C(=O)-R<sup>5</sup>, OR<sup>7</sup>, and NR<sup>8</sup>R<sup>9</sup>;

R<sup>4</sup> is hydrogen, halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl or C<sub>1-6</sub>alkyl; y represents an integer being zero, one or two;

R<sup>5</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, OR<sup>12</sup>, NR<sup>8</sup>R<sup>13</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup>, and NR<sup>8</sup>R<sup>13</sup>;

R<sup>6</sup> is hydrogen, aryl, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, OR<sup>12</sup>, NR<sup>8</sup>R<sup>13</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl,

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- C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup>, and NR<sup>8</sup>R<sup>13</sup>;
- R<sup>7</sup> is hydrogen, aryl, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, or optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano,C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup>, and NR<sup>8</sup>R<sup>13</sup>;
- R<sup>8</sup> is hydrogen, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>3-7</sub>cycloalkyl or polyhaloC<sub>1-6</sub>alkyl;
- R<sup>9</sup> is hydrogen, aryl, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, C(=NR<sup>8</sup>)-R<sup>5</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano,C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup> and NR<sup>8</sup>R<sup>13</sup>;
  - $R^{10}$  is hydrogen,  $C_{3-7}$ cycloalkyl, aryl,  $Het^1$ ,  $Het^2$ ,  $C(=O)-R^8$ ,  $C(=O)-OR^8$ ,  $C(=O)-NR^8R^8$ ,  $OR^8$ ,  $O-C(=O)-R^8$ ,  $O-S(=O)_y-R^8$ ,  $S(=O)_y-R^8$ ,  $NR^8R^8$ ,  $NR^8-C(=O)-R^8$ ,  $NR^8-S(=O)_y-R^8$ , optionally polysubstituted  $C_{1-6}$ alkyl, optionally polysubstituted  $C_{2-6}$ alkenyl or optionally polysubstituted  $C_{2-6}$ alkynyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently selected from halogen, nitro, cyano,  $C_{3-7}$ cycloalkyl, aryl,  $Het^1$ ,  $Het^2$ ,  $C(=O)-R^8$ ,

C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, and NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>; R<sup>11</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>,

- NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, and NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>;
- R<sup>12</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>,

 $C(=O)-R^8$ ,  $C(=O)-OR^8$ ,  $C(=O)-NR^8R^8$ ,  $S(=O)_y-R^8$ ,  $S(=O)_y-OR^8$ ,  $S(=O)_y-NR^8R^8$ ,  $OR^8$ ,  $O-C(=O)-R^8$ ,  $O-S(=O)_y-R^8$ ,  $NR^8R^8$ ,  $NR^8-C(=O)-R^8$ , and  $NR^8-S(=O)_y-R^8$ ;

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R<sup>13</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, and NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>; R<sup>14</sup> is hydrogen, phenyl, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>3-7</sub>cycloalkyl; aryl as a group or part of a group represents a monocyclic or polycyclic aromatic or a partially saturated monocyclic or polycyclic carbocycles wherein any such carbocycle within the meaning of aryl may have up to 14 carbon atoms and may be optionally substituted with one or more substituents independently and to the

carbocycle within the meaning of aryl may have up to 14 carbon atoms and may be optionally substituted with one or more substituents independently selected from halogen, nitro, oxo, cyano, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>14</sup>, OR<sup>14</sup>, NR<sup>14</sup>-O-C(=O)-R<sup>14</sup>, NR<sup>14</sup>-C<sub>1-6</sub>alkanediyl-NR<sup>14</sup>-Het<sup>1</sup>,

NR<sup>14</sup>-C<sub>1-6</sub>alkanediyl-NR<sup>14</sup>-Het<sup>2</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl, optionally polysubstituted C<sub>2-6</sub>alkynyl and optionally polysubstituted phenyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, phenyl, C(=O)-R<sup>14</sup>, OR<sup>14</sup>, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-Het<sup>1</sup>, C(=O)-Het<sup>2</sup>, and NR<sup>14</sup>R<sup>14</sup>; and whereby the optional substituents on phenyl are each independently selected from halogen, hydroxy, C<sub>1-6</sub>alkyl, polyhaloC<sub>1-6</sub>alkyl, O-C<sub>1-6</sub>alkyl, and C<sub>1-6</sub>alkanediyl-NR<sup>14</sup>R<sup>14</sup>;

Het<sup>1</sup> as a group or part of a group represents a saturated or partially unsaturated monocyclic, bicyclic or tricyclic heterocycle having 3 to 14 ring members, which contains one or more heteroatom ring members selected from nitrogen, oxygen and sulfur, and which may be optionally substituted on a carbon atom or where possible a nitrogen atom with one or more substituents independently selected from halogen, nitro, oxo, cyano, C<sub>3-7</sub>cycloalkyl, C(=O)-R<sup>14</sup>, S(=O)<sub>y</sub>-R<sup>14</sup>, OR<sup>14</sup>, NR<sup>14</sup>R<sup>14</sup>, NR<sup>14</sup>-O-C(=O)-R<sup>14</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl, optionally polysubstituted phenyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, phenyl C(=O)-R<sup>14</sup>

are each independently selected from halogen, nitro, cyano, phenyl, C(=O)-R<sup>14</sup>, OR<sup>14</sup>, and NR<sup>14</sup>R<sup>14</sup>; and whereby the optional substituents on phenyl are each independently selected from halogen, hydroxy, C<sub>1-6</sub>alkyl, polyhaloC<sub>1-6</sub>alkyl, O-C<sub>1-6</sub>alkyl, and C<sub>1-6</sub>alkanediyl-NR<sup>14</sup>R<sup>14</sup>;

35 Het<sup>2</sup> as a group or part of a group represents an aromatic monocyclic, bicyclic or tricyclic heterocycle having 5 to 14 ring members, which contains one or more heteroatom ring members selected from nitrogen, oxygen and sulfur, and which may

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be optionally substituted on a carbon atom or where possible a nitrogen atom with one or more substituents independently selected from halogen, nitro, oxo, cyano,  $C_{3-7}$ cycloalkyl,  $C(=O)-R^{14}$ ,  $S(=O)_y-R^{14}$ ,  $OR^{14}$ ,  $NR^{14}R^{14}$ ,  $NR^{14}-O-C(=O)-R^{14}$ , optionally polysubstituted  $C_{1-6}$ alkyl, optionally polysubstituted  $C_{2-6}$ alkenyl, optionally polysubstituted phenyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently selected from halogen, nitro, cyano, phenyl,  $C(=O)-R^{14}$ ,  $OR^{14}$ , and  $NR^{14}R^{14}$ ; and whereby the optional substituents on phenyl are each independently selected from halogen, hydroxy,  $C_{1-6}$ alkyl, polyhalo $C_{1-6}$ alkyl,  $O-C_{1-6}$ alkyl, and

with the proviso that compounds:

C<sub>1-6</sub>alkanediyl-NR<sup>14</sup>R<sup>14</sup>:

- 9-(2,4-Dimethoxy-phenylimino)-9H-benzo[f]isoindole-1,3,4-trione,
- 9-(2,4-Dimethoxy-phenylimino)-2-phenyl-9H-benzo[f]isoindole-1,3,4-trione,
- 6,7-Dichloro-9-(2,4-dimethoxy-phenylimino)-2-phenyl-9H-benzo[f]isoindole-1,3,4-trione,
- 4-[6,7-Dichloro-4-(2,4-dimethoxy-phenylimino)-1,3,9-trioxo-1,3,4,9-tetrahydro-benzo[f]isoindol-2-yl]-benzonitrile,
- 6,7-Dichloro-9-(4-methoxy-2-methyl-phenylimino)-2-phenyl-9H-benzo[f]isoindole-1,3,4-trione,
- 9-(4-Dimethylamino-phenylimino)-2-phenyl-9H-benzo[f]isoindole-1,3,4-trione,
  - 4-Diethylamino-9-hydroxy-2-phenyl-benzo[f]isoindole-1,3-dione,
  - 4-(But-3-enyl-ethyl-amino)-9-hydroxy-2-phenyl-benzo[f]isoindole-1,3-dione,
  - 4-(Ethyl-pent-4-enyl-amino)-9-hydroxy-2-phenyl-benzo[f]isoindole-1,3-dione,
  - 4,9-dihydroxy-2-methyl-benzo[f]isoindole-1,3-dione,
- 4,8-dihydroxy-6-methyl-2-oxa-6-aza-s-indacene-5,7-dione,
  - 5,9-dihydroxy-7-methyl-pyrrolo[3,4-g]quinoline-6,8-dione,
  - 4,9-dihydroxy-2-methyl-pyrrolo[3,4-g]isoquinoline-1,3-dione,
  - 4,9-dihydroxy-2,6-dimethyl-benzo[f]isoindole-1,3-dione,
  - 4,9-dihydroxy-6-methoxy-2-methyl-benzo[f]isoindole-1,3-dione,
- 5-fluoro-4,9-dihydroxy-2-methyl-benzo[f]isoindole-1,3-dione,
  - 6,7-dichloro-4,9-dihydroxy-2-methyl-benzo[f]isoindole-1,3-dione,
  - 6-cyclohexyl-4,8-dihydroxy-1-thia-6-aza-s-indacene-5,7-dione,
  - 4,9-dihydroxy-6-methyl-2-phenyl-benzo[f]isoindole-1,3-dione,
  - 7-cyclohexyl-5,9-dihydroxy-pyrrolo[3,4-g]quinoline-6,8-dione,
- 2-cyclohexyl-4,9-dihydroxy-6-methoxy-benzo[f]isoindole-1,3-dione,
  - 7-(3,5-dichloro-phenyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoline-6,8-dione,
  - 6,7-dichloro-2-(3,5-dichloro-phenyl)-4,9-dihydroxy-benzo[f]isoindole-1,3-dione,

- 4-hydroxy-benzo[f]isoindole-1,3-dione,
- 4-hydroxy-2-phenyl-benzo[f]isoindole-1,3-dione,
- 4-hydroxy-2-phenyl-9-phenylamino-benzo[f]isoindole-1,3-dione,
- 4,9-dihydroxy-2-phenyl-benzo[f]isoindole-1,3-dione,
- 5 4-hydroxy-1-methyl-2-phenyl-1,2-dihydro-benzo[f]indazol-3-one,
  - 6,7-dichloro-4,9-dimethoxy-2-methyl-benzo[f]isoindole-1,3-dione, and
  - 6,7-dichloro-2-(3,5-dichloro-phenyl)-4,9-dimethoxy-benzo[f]isoindole-1,3-dione, are excluded.
- 10 4. A compound according to claim 3 having the formula (I),

and their N-oxides, salts, stereoisomeric forms, racemic mixtures, prodrugs, esters and metabolites thereof, wherein

X, A, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, y, aryl, Het<sup>1</sup>, and Het<sup>2</sup> are as defined in claim 1, provided that when the A-ring is phenyl, then R<sup>2</sup> is not hydrogen, methyl, cyclohexyl, nor phenyl;

and compounds

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- 4,8-dihydroxy-6-methyl-2-oxa-6-aza-s-indacene-5,7-dione,
- 5,9-dihydroxy-7-methyl-pyrrolo[3,4-g]quinoline-6,8-dione,
- 4,9-dihydroxy-2-methyl-pyrrolo[3,4-g]isoquinoline-1,3-dione,
  - 6-cyclohexyl-4,8-dihydroxy-1-thia-6-aza-s-indacene-5,7-dione,
  - 7-cyclohexyl-5,9-dihydroxy-pyrrolo[3,4-g]quinoline-6,8-dione,
  - 7-(3,5-dichloro-phenyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoline-6,8-dione, are excluded.
  - 5. A compound according to claim 3 having the formula (I),

and their N-oxides, salts, stereoisomeric forms, racemic mixtures, prodrugs, esters and metabolites thereof, wherein

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A, also mentioned as "A-ring", together with the two carbons of the phenyl ring to which it is attached forms a monocyclic Het<sup>2</sup>;

R<sup>1</sup> is hydrogen, halogen, nitro, cyano, sultam, sultim, C<sub>3-7</sub>cycloalkyl, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C(=NR<sup>8</sup>)-R<sup>5</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, and NR<sup>8</sup>R<sup>9</sup>;

R<sup>2</sup> is hydrogen, C<sub>3-5</sub>cycloalkyl, C<sub>7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C(=NR<sup>8</sup>)-R<sup>5</sup>, C<sub>2-6</sub>alkyl or polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the substituents on C<sub>1-6</sub>alkyl, and the optional substituents on C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, and NR<sup>8</sup>R<sup>9</sup>;

R<sup>3</sup> is hydrogen, halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, C(=O)-R<sup>5</sup>, S(=O)<sub>y</sub>-R<sup>6</sup>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, C(=O)-R<sup>5</sup>, OR<sup>7</sup>, and NR<sup>8</sup>R<sup>9</sup>;

R<sup>4</sup> is hydrogen, halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl or C<sub>1-6</sub>alkyl; y represents an integer being zero, one or two;

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R<sup>5</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, OR<sup>12</sup>, NR<sup>8</sup>R<sup>13</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup>, and NR<sup>8</sup>R<sup>13</sup>;

R<sup>6</sup> is hydrogen, aryl, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, OR<sup>12</sup>, NR<sup>8</sup>R<sup>13</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup>, and NR<sup>8</sup>R<sup>13</sup>;

- R<sup>7</sup> is hydrogen, aryl, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, or optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano,C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup>, and NR<sup>8</sup>R<sup>13</sup>;
- R<sup>8</sup> is hydrogen, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>3-7</sub>cycloalkyl or polyhaloC<sub>1-6</sub>alkyl;
- R<sup>9</sup> is hydrogen, aryl, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, C(=NR<sup>8</sup>)-R<sup>5</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>10</sup>, S(=O)<sub>y</sub>-R<sup>11</sup>, OR<sup>12</sup> and NR<sup>8</sup>R<sup>13</sup>;
- R<sup>10</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, and NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>;
  - R<sup>11</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>,

C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, OR8, O-C(=O)-R8, O-S(=O)y-R8, NR8R8, NR8-C(=O)-R8, and NR8-S(=O)y-R8; R<sup>12</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>,  $S(=O)_y-R^8$ ,  $S(=O)_y-OR^8$ ,  $S(=O)_y-NR^8R^8$ , optionally polysubstituted  $C_{1-6}$  alkyl, optionally polysubstituted C2-6alkenyl or optionally polysubstituted C2-6alkynyl; 5 whereby the optional substituents on  $C_{1\text{--}6}$  alkyl,  $C_{2\text{--}6}$  alkenyl and  $C_{2\text{--}6}$  alkynyl are each independently selected from halogen, nitro, cyano, C3-7cycloalkyl, aryl, Het1, Het2, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, and NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>; R<sup>13</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, C(=O)-OR<sup>8</sup>, C(=O)-NR<sup>8</sup>R<sup>8</sup>, 10 S(=O)<sub>y</sub>-R<sup>8</sup>, S(=O)<sub>y</sub>-OR<sup>8</sup>, S(=O)<sub>y</sub>-NR<sup>8</sup>R<sup>8</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl or optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently selected from halogen, nitro, cyano, C3-7cycloalkyl, aryl, Het1, Het2,  $C(=O)-R^8$ ,  $C(=O)-OR^8$ ,  $C(=O)-NR^8R^8$ ,  $S(=O)_y-R^8$ ,  $S(=O)_y-OR^8$ ,  $S(=O)_y-NR^8R^8$ , 15 OR<sup>8</sup>, O-C(=O)-R<sup>8</sup>, O-S(=O)<sub>y</sub>-R<sup>8</sup>, NR<sup>8</sup>R<sup>8</sup>, NR<sup>8</sup>-C(=O)-R<sup>8</sup>, and NR<sup>8</sup>-S(=O)<sub>y</sub>-R<sup>8</sup>;  $R^{14}$  is hydrogen, phenyl,  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl,  $C_{2-6}$ alkynyl,  $C_{3-7}$ cycloalkyl; aryl as a group or part of a group represents a monocyclic or polycyclic aromatic or a partially saturated monocyclic or polycyclic carbocycles wherein any such carbocycle within the meaning of aryl may have up to 14 carbon atoms and may be 20 optionally substituted with one or more substituents independently selected from halogen, nitro, oxo, cyano, C<sub>3-7</sub>cycloalkyl, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-R<sup>8</sup>, S(=O)<sub>y</sub>-R<sup>14</sup>, OR<sup>14</sup>,  $NR^{14}R^{14}$ ,  $NR^{14}$ -O-C(=O)- $R^{14}$ ,  $NR^{14}$ - $C_{1-6}$ alkanediyl- $NR^{14}$ -Het<sup>1</sup>, NR<sup>14</sup>-C<sub>1-6</sub>alkanediyl-NR<sup>14</sup>-Het<sup>2</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C2-6alkenyl, optionally polysubstituted C2-6alkynyl and optionally 25 polysubstituted phenyl; whereby the optional substituents on  $C_{1\text{-}6}$ alkyl,  $C_{2\text{-}6}$ alkenyl and C2-6alkynyl are each independently selected from halogen, nitro, cyano, phenyl, C(=O)-R<sup>14</sup>, OR<sup>14</sup>, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-Het<sup>1</sup>, C(=O)-Het<sup>2</sup>, and NR<sup>14</sup>R<sup>14</sup>; and whereby the optional substituents on phenyl are each independently selected from halogen, hydroxy,  $C_{1-6}$ alkyl, polyhalo $C_{1-6}$ alkyl, O- $C_{1-6}$ alkyl, and  $C_{1-6}$ alkanediyl-NR  $^{14}$ R  $^{14}$ ; **30** Het 1 as a group or part of a group represents a saturated or partially unsaturated monocyclic, bicyclic or tricyclic heterocycle having 3 to 14 ring members, which contains one or more heteroatom ring members selected from nitrogen, oxygen and sulfur, and which may be optionally substituted on a carbon atom or where possible a nitrogen atom with one or more substituents independently selected from halogen, nitro, oxo, cyano, C<sub>3-7</sub>cycloalkyl, C(=O)-R<sup>14</sup>, S(=O)<sub>y</sub>-R<sup>14</sup>, OR<sup>14</sup>, NR<sup>14</sup>R<sup>14</sup>, NR<sup>14</sup>-O-C(=O)-R<sup>14</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted

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 $C_{2-6}$ alkenyl, optionally polysubstituted  $C_{2-6}$ alkynyl and optionally polysubstituted phenyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently selected from halogen, nitro, cyano, phenyl,  $C(=O)-R^{14}$ ,  $OR^{14}$ , and  $NR^{14}R^{14}$ ; and whereby the optional substituents on phenyl are each independently selected from halogen, hydroxy,  $C_{1-6}$ alkyl, polyhalo $C_{1-6}$ alkyl,  $O-C_{1-6}$ alkyl, and  $C_{1-6}$ alkanediyl- $NR^{14}R^{14}$ ;

Het<sup>2</sup> as a group or part of a group represents an aromatic monocyclic, bicyclic or tricyclic heterocycle having 5 to 14 ring members, which contains one or more heteroatom ring members selected from nitrogen, oxygen and sulfur, and which may be optionally substituted on a carbon atom or where possible a nitrogen atom with one or more substituents independently selected from halogen, nitro, oxo, cyano, C<sub>3-7</sub>cycloalkyl, C(=O)-R<sup>14</sup>, S(=O)<sub>y</sub>-R<sup>14</sup>, OR<sup>14</sup>, NR<sup>14</sup>R<sup>14</sup>, NR<sup>14</sup>-O-C(=O)-R<sup>14</sup>, optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl, optionally polysubstituted C<sub>2-6</sub>alkynyl and optionally polysubstituted phenyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, phenyl, C(=O)-R<sup>14</sup>, OR<sup>14</sup>, and NR<sup>14</sup>R<sup>14</sup>; and whereby the optional substituents on phenyl are each independently selected from halogen, hydroxy, C<sub>1-6</sub>alkyl, polyhaloC<sub>1-6</sub>alkyl, O-C<sub>1-6</sub>alkyl, and C<sub>1-6</sub>alkanediyl-NR<sup>14</sup>R<sup>14</sup>;

with the proviso that compound 7-(3,5-dichloro-phenyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoline-6,8-dione is excluded.

6. A compound according to any one of claims 1 to 5 wherein the compound has the formula (IIa)

whereby

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the pyridinyl ring may optionally be substituted with halogen or optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl, optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, phenyl, C(=O)-R<sup>14</sup>, OR<sup>14</sup>, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-Het<sup>1</sup>, C(=O)-Het<sup>2</sup>, and NR<sup>14</sup>R<sup>14</sup>; and whereby

R<sup>2</sup> is not 3,5-dichlorophenyl, nor cyclohexyl, nor methyl.

7. A compound according to any one of claims 1 to 5 wherein the compound has the formula (IIb)

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whereby the pyrazinyl ring may optionally be substituted with halogen or optionally polysubstituted  $C_{1-6}$ alkyl, optionally polysubstituted  $C_{2-6}$ alkenyl, optionally polysubstituted  $C_{2-6}$ alkynyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently selected from halogen, nitro, cyano, phenyl,  $C(=O)-R^{14}$ ,  $OR^{14}$ ,  $Het^1$ ,  $Het^2$ ,  $C(=O)-Het^1$ ,  $C(=O)-Het^2$ , and  $NR^{14}R^{14}$ .

8. A compound according to any one of claims 1 to 5 wherein the compound has the formula (IIc)

- whereby the phenyl ring may optionally be substituted with halogen or optionally polysubstituted C<sub>1-6</sub>alkyl, optionally polysubstituted C<sub>2-6</sub>alkenyl, optionally polysubstituted C<sub>2-6</sub>alkynyl; whereby the optional substituents on C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl and C<sub>2-6</sub>alkynyl are each independently selected from halogen, nitro, cyano, phenyl, C(=O)-R<sup>14</sup>, OR<sup>14</sup>, Het<sup>1</sup>, Het<sup>2</sup>, C(=O)-Het<sup>1</sup>, C(=O)-Het<sup>2</sup>, and NR<sup>14</sup>R<sup>14</sup>; and whereby R<sup>2</sup> is not hydrogen, methyl, cyclohexyl, nor phenyl.
  - 9. A compound according to any one of claims 1 to 5 wherein the compound has the formula (IId)

whereby the imidazolyl ring may optionally be substituted with halogen or optionally polysubstituted  $C_{1-6}$ alkyl, optionally polysubstituted  $C_{2-6}$ alkenyl, optionally polysubstituted  $C_{2-6}$ alkynyl; whereby the optional substituents on  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl and  $C_{2-6}$ alkynyl are each independently selected from halogen, nitro, cyano, phenyl,  $C(=0)-R^{14}$ ,  $OR^{14}$ ,  $Het^1$ ,  $Het^2$ ,  $C(=0)-Het^1$ ,  $C(=0)-Het^2$ , and  $NR^{14}R^{14}$ .

10. A compound according to any one of claims 1 to 5 wherein the compound has the formula (III)

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11. A compound according to any one of claims 1 to 10 wherein X is -C(=O)-;
R<sup>1</sup> is -OR<sup>7</sup>;

R<sup>2</sup> is hydrogen, C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, or optionally substituted C<sub>1-6</sub>alkyl; whereby the optional substituent on C<sub>1-6</sub>alkyl is selected from C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>, Het<sup>2</sup>, and preferably is C<sub>3-7</sub>cycloalkyl, aryl, Het<sup>1</sup>.

- 12. A compound according to any one of claims 1 to 5 selected from any of the following compounds:
- 20 7-(4-Chloro-benzyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoxaline-6,8-dione
  - 7-(5-Bromo-2-fluoro-benzyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoxaline-6,8-dione
  - 7-Benzo[1,3]dioxol-5-ylmethyl-5-(benzyl-methyl-amino)-9-hydroxy-pyrrolo[3,4-g]quinoline-6,8-dione
- Dodecanoic acid 7-benzo[1,3]dioxol-5-ylmethyl-9-hydroxy-6,8-dioxo-7,8 dihydro-6H-pyrrolo[3,4-g]quinoxalin-5-yl ester
  - Acetic acid 9-acetoxy-7-(3,4-dichloro-benzyl)-6,8-dioxo-7,8-dihydro-6H-pyrrolo[3,4-g]quinoxalin-5-yl ester
  - 7-(3,5-Dichloro-benzyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoxaline-6,8-dione
  - 7-(3,4-Dichloro-benzyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoxaline-6,8-dione
- 7-(3-Chloro-benzyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoxaline-6,8-dione
  - Dicyclopropanecarboxylic acid 7-(3,4-dichloro-benzyl)-6,8-dioxo-7,8-dihydro-6Hpyrrolo[3,4-g]quinoxalin-5,9-diyl ester

- 7-(3-Bromo-4-fluoro-benzyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoxaline-6,8-dione
- 7-(3-Bromo-benzyl)-5,9-dihydroxy-2-methyl-pyrrolo[3,4-g]quinoxaline-6,8-dione
- 7-Benzo[1,3]dioxol-5-ylmethyl-5,9-dihydroxy-2-methyl-pyrrolo[3,4-g]quinoxaline-6,8-dione
- 5 7-(3,4-Dichloro-benzyl)-5,9-dihydroxy-2-methyl-pyrrolo[3,4-g]quinoxaline-6,8-dione
  - 7-(3-Bromo-benzyl)-5,9-dihydroxy-pyrrolo[3,4-g]quinoxaline-6,8-dione
- 13. A pharmaceutical composition, comprising an effective amount of at least one
   10 compound as claimed in any one of claims 1 to 12, and a pharmaceutically acceptable excipient.